ABSTRACT

Catalysts and catalyst systems useful for the olefin polymerization and copolymerization, and their synthesis procedure and usage are disclosed. These catalyst are a kind of novel complexes formed by transition metal from Group III to Group XI and multidentate ligand having the formula:

$$G_{q} = MX_{n}$$

$$B \qquad m$$

$$R^{1} \qquad R^{2}(R^{3})_{q}$$